

SITE	COUNTRY	LAT.	LONG.	EL..	HOST/MANAGING ORGANIZATION	SIR	VLBI	GPS	DORIS	PRAE	GRAV	SEIS	MET	TIME	TIDE	OTHER	DATA LINK	
Aira	Japan	N 31.82	E 130.60		Geographical Survey Institute (GSJ)	F	F			F	F					Magnetometer	Internet	
Albert Head	Canada	N 48.38	W 123.48	33	Geological Survey of Canada (GSC), Natural Resources of Canada (NRCan)						T	C	C			Internet		
Algouquin	Canada	N 45.95	W 78.07	202	Institute for Space and Terrestrial Science (ISTS), Geodetic Survey, Geomatics Canada, Natural Resources of Canada (NRCan)	T	F	F1			T	C	M			Internet		
Alice Springs	Australia	S 23.67	E 133.89	603	Australian Survey and Land Information Group (AUSLIG) (UNAVCO)													
Alhatay	Kazakstan	N 43.18	E 77.02	1,340	Russian Academy of Science (RAS), University NAVSTAR Consortium (UNAVCO)													
Amsterdam Island	France	S 37.80	E 77.57	62	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS) (NASA/GSFC)						F							
Ankara	Turkey	N 32.83	E 39.92	975	General Command of Mapping, Geodesy Department (Turkey), Institute for Applied Geodesy (IAO)	T										(Internet)		
Annapolis, MD (USNA)	USA	N 38.58	W 76.29	-26	National Oceanic and Atmospheric Administration (NOAA)													
AOA, Westlake, CA	USA	N 34.16	W 118.83	247	Allen Observatory Associates (AOA), NASA/JPL													
Arequipa	Peru	S 16.47	W 71.63	2,489	Universidad Nacional de San Agustin (UNSA) under contract to NASA/GSFC													
Ariit	Niger	N 18.78	E 07.37		Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS) (NASA/JPL, International Deployment of Accelerometers (IDA), Proudman Oceanographic Laboratory (POL), Cable and Wireless (CW))						F				Airglow Exp.	Internet		
Ascension Island	United Kingdom	S 07.57	W 14.22	105	Proudman Oceanographic Laboratory (POL), Cable and Wireless (CW)						F1	F	F			satellite		
Auckland	New Zealand	S 35.43	N 174.19	132	Institute of Geological and Nuclear Sciences (IGNS), Department of Survey and Land Information (DOSLI), NASA/JPL						F1			C				
Azusa, CA	USA	N 34.13	W 117.90	145	NASA/JPL						F1							
Badiati	Russia	N 51.77	E 102.23	812	Institute of Applied Astronomy, St. Petersburg, Russia (IAA)	(F)	(F)	(F)										
Baksurantau	Indonesia	S 6.49	E 106.85	188	National Coordination Agency for Surveys and Mapping						F1					Syrius-A	Internet	
Balkash	Kazakhstan	N 46.80	E 75.00	248	Kazakhstan Space Agency, Russian Space Agency (RSA)	F						O						
Bandung	Indonesia	S 07.00	E 107.22		Delft University of Technology (DUT)						(F1)							
Bangalore	India	N 12.98	E 77.67	800	Indian Space Research Organization (ISRO), Indian Institute of Science (IISc), GeoForschungsZentrum Potsdam (GFZ), ISRO Telemetry, Tracking and Command Network (ISTRAC)						F1					satellite		
Bar-Giyora	Israel	N 31.72	E 35.08	752	Israeli Space Agency (ISA), Institute for Petroleum Research and Geophysics (IPRG)						F1							
Beijing	China	N 39.92	E 116.38		National Bureau of Surveying and Mapping (NBSM)						F			O				
Bermuda	United Kingdom	N 32.35	W 64.65	-11	National Oceanic and Atmospheric Administration (NOAA)						F1					Internet		
Bidston	United Kingdom	N 53.40	E 03.07		Proudman Oceanographic Laboratory (POL)						T							
Bishkek	Kyrgyzstan	N 42.68	E 74.69	1,725	University NAVSTAR Consortium (UNAVCO), Massachusetts Institute of Technology (MIT)						F1					satellite		
Blythe, CA	USA	N 33.61	W 114.72	87	Scipps Institution of Oceanography (SIO), University of California, San Diego (UCSD)						F1							
Brussels	Belgium	N 06.34	E 106.35		National Bureau of Surveying and Mapping (NBSM)						F1							
Bogor	Indonesia	N 04.64	W 174.08	2,577	INGM, NASA/JPL						F1							
Borowiec	Poland	N 52.28	E 17.08	124	Polish Academy of Science	F					F1							
Brasilia	Brazil	S 15.94	W 47.88	1,106	Instituto Brasileiro de Geografia e Estatística (IBGE), NASA/JPL						F1							
Brewster, WA	USA	N 48.13	W 119.68	252	National Radio Astronomy Observatory (NRAO)						F1			O				
Burns	USA	N 50.30	E 04.21	150	Royal Observatory of Belgium (ROB)						F1			M				
Burbank, CA	USA	N 34.18	W 118.23	221	Scripps Institution of Oceanography (SIO), U.S. Geological Survey (USGS)						F1							
Cachoeira Paulista	Brazil	S 45.00	W 22.68	571	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)						F1							
Capo Vaticano	Italy (Sardinia)	N 39.20	E 09.10	238	Astronomical Observatory, Cagliari	F					F1			O				
Capey	Antarctica	S 66.27	E 110.53		Australian Survey and Land Information Group (AUSLIG)						F1			R				
Catalina Island, CA	USA	N 33.45	W 118.48	4	NASA/JPL						F1							
Ceduna	Australia	S 31.87	E 133.81	145	Australian Survey and Land Information Group (AUSLIG)						F1							
Changchun	China	N 43.83	E 125.33		Academia Sinica						F1			O				
Chatham Island	New Zealand	S 44.00	E 176.70	58	Institute of Geological and Nuclear Sciences (IGNS), Department of Survey and Land Information (DOSLI), NASA/JPL						F1			C				
Churchill	Canada	N 58.45	W 94.00	-19	Simonsato Hydrographic Observatory (SHO), Japanese Hydrographic Department (JHD), Geographic Survey Institute (GSI)						F1							
Chichijima	Japan	N 27.08	E 142.20		Scripps Institution of Oceanography (SIO), U.S. Geological Survey (USGS)						F1							
Claremont, CA	USA	N 34.11	W 117.71	375	U.S. Geological Survey (USGS)						F1							
Cocos Island	Australia	S 12.20	E 96.83	-35	Australian Survey and Land Information Group (AUSLIG)						F1							
College, AK	USA	N 64.87	W 147.86		Geophysical Institute, University of Alaska at GIUA)						F1							

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Colombia	Sri Lanka	N 06/90	E 79/87	-77	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)	F											
Colorado Springs, CO	USA	N 38/80	W 104/52	1,911	Falcon Air Force Base (FAFB), U.S. Naval Observatory (USNO), National Oceanic and Atmospheric Administration (NOAA), National Geodetic Survey (NGS)								M			Internet	
Dakar	Senegal	N 14/72	W 17/43	45	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)								F				
Darmstadt	Germany	N 49/85	E 08/67	125	European Space Agency (ESA)	(F,I)											
Darwin	Australia	S 12/85	E 131/13	45	Australian Survey and Land Information Group (AUSLIG)	F,I											
Davis	Antarctica	S 68/57	E 77/97	45	Australian Survey and Land Information Group (AUSLIG)	F,I											
Diego Garcia	Diego Garcia	S 07/20	E 72/25	65	NASA/JPL, International Deployment of Accelerometers (IDA)	F,I											
Dicynos	Greece	N 38/08	E 23/93	514	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)	T											
Djibouti	Djibouti	N 11/53	E 42/85	716	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)								F				
Dudinka	Russia	N 69/15	E 85/42	GeoforschungsZentrum (GFZ)	(F,I)												
Dumont D'Urville	Antarctica	S 66/67	E 140/00	88	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)								F				
Durmid Hill, CA	USA	N 33/39	W 115/79	-83	Scripps Institution of Oceanography (SIO)												
Easter Island	Chile	S 27/15	E 109/38	115	Universidad de Chile, under contract to NASA/GSFC	[F]							F	O		Internet	
Effelsberg	Germany	N 50/52	E 06/88	Max-Planck Institute for Radio Astronomy	F							O	M			Internet	
Ensenada	Mexico	N 31/25	W 116/15	88	Centro de Investigación Científica y de Educación Superior de Ensenada (CICESE), NASA/JPL	T										Internet	
Everest	Nepal	N 27/95	E 86/82	320	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)	F							F				
Evpatoria	Ukraine	N 45/12	E 33/20	319	National Oceanic and Atmospheric Administration (NOAA), National Environmental Satellite Data Information System (NESDIS), National Environmental Satellite Data Information System (NESDIS), National Atmospheric Administration (NOAA)								O				
Fairbanks, AK	USA	N 64/97	W 147/48	320	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)	F											
Fin Flon	Canada	N 54/73	W 101/98	320	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)												
Flores, Azores	Portugal	N 39/45	W 31/13	80	National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)												
Fort Davis, TX	USA	N 30/38	W 103/56	2,004	National Radio Astronomy Observatory	F,A	(F)						O	M		Internet	
Fortaleza	Brazil	S 03/75	W 38/58	20	Instituto Nacional de Pesquisas Espaciais (INPE), National Oceanic and Atmospheric Administration (NOAA), National Geodetic Survey (NGS)	F							T	O	M	Internet	
Friedrichshagen	Germany	N 52/27	E 13/39	80	GeoforschungsZentrum (GFZ)								F				
Galapagos Island	Ecuador	N 00/90	W 89/62	7	NASA/JPL								F,I	F			
Goldstone/ Mojave, CA	USA	N 35/25	W 116/78	987	NASA/JPL Deep Space Network	T							T	O	M	S/C Cmd, Tim., Internet	
Grasse	France	N 43/75	E 06/92	1,320	Centre d'Etudes et de Recherches Géodynamiques et Astronomiques (CERGCA), Centre National d'Etudes (CNES)	F							F	O	C	LLR, Magnetometer, Internet	
Graz	Austria	N 47/07	E 15/48	559	Institut für Weltraumforschung-Abteilung SatellitenGeodäsie, Institute für Space Research (ISR)	F							O	C		Internet	
Green Bank, WV	USA	N 38/43	W 79/83	1,596	National Radio Astronomy Observatory (NRAO), under contract to US Naval Observatory	F							O	M	Radio Astronomy	Internet	
Greenebelt, MD	USA	N 39/02	W 76/83	15	NASA/GSFC, Delft University of Technology (DUT)	F							F	T	O	Solar Obs., Optical Obs., LIDAR, LLR, GLONASS, LiDAR, Internet	
Guam Island	USA	N 13/47	E 144/75	202	U.S. Department of the Interior (USDI), NASA/JPL	F,I	F									Internet	
Haleakala, HI	USA	N 20/72	W 156/27	3,063	University of Hawaii Under contract to NASA/GSFC	T							O	C	F	LLR, Internet	
Hancock, NH	USA	N 42/93	W 71/98	297	National Radio Astronomy Observatory (NRAO)	F,A	(F,I)						O	M		Internet	
Hartebeesthoek/Pretoria	South Africa	S 25/88	E 27/68	1,414	National Research Facility of the Foundation for Research Development, GeoforschungsZentrum Potsdam (GFZ), Satellite Applications Center (SAC), Centre National d'Etudes Spatiales (CNES)	T	F									S/C Cmd & Tim., Internet, satellite Magnetometer	
Havens Platform, CA	USA	N 34/47	W 120/68	15	NASA/JPL								F,I			Internet	
Helwan	Egypt	N 29/87	E 31/35	Academy of Scientific Research and Technology- Helwan, Institute of Astronomy and Geophysics, Technology University of Prague	F								O			Astronomical Observ., Internet	
Hesimoineux	Great Britain	N 50/87	E 00/33	77	Royal Greenwich Observatory (RGO)	F								O	C	Internet	
Hobart	Tasmania	S 42/80	E 147/43	41	University of Tasmania, Australian Survey and Land Information Group	F							F	O	M	Internet, satellite	
Höfn	Norway	N 64/50	W 15/00	83	(AUSLIG), GeoforschungsZentrum Potsdam (GFZ)	T							F,I			Tide Gauge satellite	
Holberg	Canada	N 50/64	W 128/14	560	Natural Resources of Canada (NRCan), Geological Survey of Canada (GSC)	F,I							R			Internet	

Newtown Space Station: The Moonbase

Active Global Space Geodetic Site Information Summary

SITE	COUNTRY	LAT.	LONG.	EL.	HOST/MANAGING ORGANIZATION	SIR	VLBI	GPS	DORIS	PRAE	GRAV	SEIS	MET	TIME	TIDE	OTHER	DATA LINK
Madrid	Spain	N 40.43	W 04.25	829	Instituto de Astronomia y Geodesia under contract to Deep Space Network (NASA/JPL)	F	F,I				O	M			S/C Cmd. & Thm.	Internet	
Magadan	Russia	N 59.58	E 150.77	362	Regional GPS Data Acquisition/Analysis Center (RDAAC)	F	F,I				O						
Maidanak	Uzbekistan	N 38.68	E 66.93		Uzbekistan Space Agency, Russian Space Agency (RSA)	F										satellite	
Maliindi	Kenya	S 03.23	E 40.13	23	(ESOC), Italian Space Agency (ASI)	F,I				(F)							
Mammoth Lakes, CA	USA	N 37.63	W 118.63	2,390	NASA/JPL	T	F,I										
Manama	Bahrain	N 26.21	E 50.61	-17	National Imagery and Mapping Agency (NIMA)	F,I					C	C					
Manila	Philippines	N 14.53	E 121.03		Centre National d'Etudes Spatiales (CNES); Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)	F,I	F										
Maracaibo	Venezuela	N 10.44	W 71.22		Deutsches GeoForschungsInstitut (DFGfI), University of Maracaibo (UMAR)	F										Internet satellite	
Marcus	Japan	N 24.00	E 155.00		Western Pacific Integrated Network of GPS in Japan (WING)	[T]		(F,I)									
Marion Island	South Africa	S 46.88	E 37.85	92	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)	F					O	M					
Maryland Point, MD	USA	N 38.37	W 77.28	-13	Naval Research Laboratory (NRL)	F										Internet	
Maspalomas	Canary Islands	N 27.77	W 15.63	197	Estación Espacial de Maspalomas, European Space Agency (ESA), European Space Operations Center (ESOC)	F,I					C					Internet	
Matera	Italy	N 40.65	E 16.70	536	Italian Space Agency (ASI)	F,T	F,I				O	M				Internet	
Mauna Kea, HI	USA	N 19.80	W 155.47	754	National Radio Astronomy Observatory (NRAO)	F,A	F,I				O	M				Internet	
Mawson	Antarctica	S 67.60	E 62.87	59	Australian Survey and Land Information Group (AUSLIG)	F,I											
Mazatlan	Mexico	N 23.35	W 106.45		NASA/GSFC	[F]											
Mbarara	Uganda	S 00.60	E 30.70		Scripps Institution of Oceanography (SIO), NASA/JPL	(F,I)											
McDonald, TX	USA	N 30.40	W 104.02	2,004	University of Texas at Austin Under contract to NASA/GSFC	F	T				C	C				L1R	
McMurdo	Antarctica	S 77.85	E 166.67	98	NASA/JPL	(F)	F,I									Internet	
Medicina	Italy	N 44.52	E 11.65	50	Istituto di Radiointerferometria, Consiglio Nazionale delle Ricerche (INR)	T	F,I				O	M				Internet	
Mendeleevo	Russia	N 37.23	E 56.03	220	Russian Institute for Time and Frequency Standards	F	F,I				O	M				Internet	
Metsahovi	Finland	N 62.23	E 24.40	95	Geodetinen Laitos	F	T				O	M				Internet	
Mira	Japan	N 35.08	E 139.37	132	Communications Research Laboratory (CRL)	F	F				O	M				Internet	
Mizusawa	Japan	N 39.10	E 141.20	1,843	National Astronomical Observatory-Mizusawa (NAO-M)	F	T				O	M				Magnetometer	
Monument Peak, CA	USA	N 32.88	W 116.42		NASA/GSFC	[T]	F,I				T	O	C			Internet	
Mount Wilson, CA	USA	N 34.23	W 118.06	1,705	NASA/JPL	[F]	F,I									Internet	
Nanose Bay	Canada	N 49.29	W 124.09	6	Natural Resources of Canada (NRCan), Geological Survey of Canada (GSC)	F,I					R						
Narsarsuaq	Greenland	N 61.10	W 45.19		University of Copenhagen (UC)	(F)										satellite	
Neumayer	Antarctica	S 70.00	W 08.00		Alfred Wegener Institut (AWI)	F										satellite	
Nicosia-Athalassa	Cyprus	N 35.14	E 33.40	155	Department of Lands and Surveys of Cyprus Bundesamt für Kartographie und Geodäsie (BKG)	F,I											
Nobeyuma	Japan	N 35.93	E 138.47		National Astronomical Observatory-Nobeyama (NAO-N)	F	F				O	M				Internet	
North Liberty, IA	USA	N 41.77	W 91.57	207	National Radio Astronomy Observatory (NRAO)	F,A	F,I				O	M				Internet	
Northridge, CA	USA	N 34.25	W 118.52	262	NASA/JPL	F,I										Internet	
Noi	Italy	N 36.88	E 14.98	126	Istituto di Radioastronomia, Consiglio Nazionale delle Ricerche (INR)	F	F,I				O	M				Radio Astronomical Obs.	
Noumea	New Caledonia	S 22.27	E 166.40	83	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS), Scientific et Technique Outre Mer (OSTRAM) de Noumea	F,I	F									satellite	
Ny Ålesund	Norway	N 78.93	E 11.87	83	Norwegian Mapping Authority (Statens Kartverk)	F	F,I	F									
O'Higgins	Antarctica	S 63.32	W 59.90	31	University of Chile, Bundesamt für Kartographie und Geodäsie (BKG)	F	F,I	F			O	M				Syrius A, Tide Gauge, Magnetometer	
Oat Mountain, CA	USA	N 34.33	W 118.60	1,113	NASA/JPL	F,I										Tide Gauge	
Oberepfaffenhoefen	Germany	N 48.08	E 11.28	651	GeoforschungsZentrum Potsdam (GFZ)	F,I										Internet satellite	
Ondřejov	Czech Republic	N 49.60	E 14.70	593	RIGTC	[F]										(Internet)	
Onsala	Sweden	N 57.40	E 11.93	47	Onsala Space Observatory, Chalmers University of Technology	T	F				T	C	M			Radio WVR	
Ornoral	Australia	S 35.63	E 148.93	1,347	Australian Surveying and Land Information Group (AUSLIG), Department of Administrative Services	F	F,I	F			O	C				L1R	
Ottawa	Canada	N 45.40	W 75.70	82	Natural Resources of Canada (NRCan), Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)	F,I	F				C	M				Internet	

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SITE	COUNTRY	LAT.	LONG.	EL.	HOST/MANAGING ORGANIZATION	SLR	VBLI	GPS	DORIS	PRARE	GRAV	SESS	MET	TIME	TIDE	OTHER	DATA LINK
Owens Valley, CA	USA	N 37.23	W 118.30	1,197	Owens Valley Radio Observatory, National Radio Astronomy Observatory (NRAO)	T	F,A	F				O	M			Internet	
Padova	Italy	N 25.24	E 11.53	84	University of Padova		F,I									Internet	
Palos Verdes, CA	USA	N 33.75	W 118.40	70	Scriptus Institute of Oceanography (SIO)		T	F,I								Internet	
Papeete	Tahiti, French Polynesia	S 16.73	W 151.03	74	Université Francaise du Pacifique (UFP), Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodésie Spatiale (GRGS), Center for Space Research (CSR)	F	F,I	F	T	F	O	C	F		Internet, satellite		
Parkfield, CA	USA	N 35.89	W 120.43	480	NASA/JPL		F,I									Internet	
Pasadena, CA	USA	N 34.20	W 118.17	424	NASA/JPL, Geoforschungszentrum Potsdam (GFZ)	T	T	F,I								Magnetometer	
Pearlissou, CA	USA	N 34.52	W 117.92	1,239	Scriptus Institute of Oceanography (SIO), U.S. Geological Survey (USGS)	T	F,I	F	T	F		R			Internet		
Penc	Hungary	N 47.79	E 19.28	292	FOMI Satellite Geodetic Observatory		F,I					R				Internet	
Penticton	Canada	N 49.32	W 119.62	542	Dominion Radio Astronomy Observatory, National Research Council (NRC), Geological Survey of Canada, Natural Resources Canada (NRCan), Geomatics Canada, Natural Resources Canada (NRCan)	F	F,I				O	M			Internet		
Perth	Australia	S 31.97	E 115.82	13	Australian Space Agency, European Space Agency (ESA), European Space Operations Center (ESOC)		F,I					C				Internet	
Petrovsk-Kamchatsky	Russia	N 53.13	E 158.65	211	GeoforschungsZentrum Potsdam (GFZ)		F,I									satellite	
Pie Town, NM	USA	N 34.30	W 108.32	2,347	National Radio Astronomy Observatory (NRAO)	F,A	F,I				O	M			Internet		
Pineywood, CA	USA	N 33.61	W 116.61	1,394	University of California at San Diego (UCSD)	F,I									Internet		
Plinyon Flat, CA	USA	N 33.62	W 116.45	1,256	Physics on Flat Geophysical Observatory, University of California at San Diego (UCSD)	T	T	F,I			F	F			Tilt Meter, Strain Meter, Magnetometer		
Popayán	Colombia	N 02.27	W 76.32		NASA/JPL		F,I									Internet	
Port Moresby	Papua N. Guinea	S 09.43	E 147.18	151	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)						F						
Postdam	Germany	N 52.38	E 13.07	174	GeoforschungsZentrum Potsdam (GFZ)	F		F,I			F	F	C		Internet, satellite		
Priddis	Canada	N 53.13	W 114.05	1,248	Natural Resources of Canada (NRCan)		F,I					C	R		Internet		
Purple Mountain	China	N 32.07	E 118.82	264	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)			F									
Quincy, CA	USA	N 39.97	W 120.93	1,105	NASA/GSFC	[F]	T	F,I			T					Internet	
Rapa	French Polynesia	S 27.62	W 144.33		Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)			F									
Reykjavík	Iceland	N 64.09	W 21.51	93	Bundesamt für Kartographie und Geodäsie (BKG)		F,I	F				C				Internet	
Richmond, FL	USA	N 25.62	W 80.38	-15	U.S. Naval Observatory (USNO), National Oceanic and Atmospheric Administration (NOAA)	T	[F]	F,I	F							Internet	
Ridgecrest, China Lake, CA, USA	USA	N 35.98	W 117.81	1,456	Scriptus Institution of Oceanography (SIO), U.S. Navy		F,I										
Riga	Latvia	N 57.00	E 24.30		University of Latvia		F					O				Internet	
Rio Grande	Argentina	S 67.75	W 53.78	34	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)		F										
Riyadh	Saudi Arabia	N 24.68	E 46.70		King Abdulaziz City for Science and Technology (KACST)	F	(F)	(F,I)			O	C				Internet	
Rothenburg	Antarctica	S 67.57	W 68.12	27	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)		F										
Saddle Peak, CA	USA	N 34.06	W 118.65	440	NASA/JPL		F,I									Internet	
Saint Croix, Virgin Islands	US Virgin Islands	N 17.75	W 64.58	-32	National Radio Astronomy Observatory (NRAO)	F,A	F,I				O	M			Internet		
Saint John's	Canada	N 47.60	W 52.68	154	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)	F,I		C	C								
San Fernando	Spain	N 36.47	W 06.20	86	Real Instituto y Observatorio de la Armada	F	F,I									Astronomical Obs., Geophysical Lab., Magnetometer	
San Nicolas Island, CA	USA	N 33.25	W 119.52	240	NASA/JPL		F,I									Internet	
Santa Helena	United Kingdom	S 15.98	W 05.67	456	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)		F										
Santa Maria, Azores	Portugal	N 36.98	W 25.17		Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)		F										
Santiago	Chile	S 33.15	W 70.67	723	Centro de Estudios Espaciales (CIEE), University of Chile under contract to NASA/GSFC	[F]	[F]	F,I	F				C	S/C Cnd & Thr.,	Internet		
Santiago de Cuba	Cuba	N 20.00	W 75.80		Centro Nacional de Investigaciones Sismológicas,	F						O					
Sarapul	Russia	N 56.48	E 53.79		Russian Space Agency (RSA)	F	(F,I)				O	R					
Schefferville	Canada	N 54.50	W 66.83	498	National Resources of Canada (NRCan)	F,I						R				Internet	

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SITE	COUNTRY	LAT.	LONG.	EL.	HOST/MANAGING ORGANIZATION	SIR	VLBI	GPS	DORIS	PRARE	GRAV	SEIS	MET	TIME	TIDE	OTHER	DATA LINK
Scripps, CA	USA	N 32.87	W 117.25	8	University of California at San Diego (UCSD)		F,I			F	F					Geophysical Lab., Magnetometer	Internet
Seychelles	Island	S 04.68	E 55.50	557	NASA/JPL, International Deployment of Accelerometers (IDA)		F,I			F	F						
Shanghai	China	N 31.18	E 121.43	22	Shanghai Astronomical Observatory (SAO), GeoForschungsZentrum Potsdam (GFZ)	F	F,I		F	F	F	O	M			Internet, satellite	Internet
Shintomi	Japan	N 32.08	E 131.48		Geographical Survey Institute (GSI)		T			T		O	M				Internet
Shimotsukawa	Japan	N 43.52	E 141.83		Geographical Survey Institute (GSI)		F			F							Internet
Sigey Island	Antarctica	S 60.71	W 45.60		Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)		F			F							Internet, satellite
Singapore	Singapore	N 01.35	E 103.68	79	Russian Academy of Sciences (RAS), Ukraine Academy, Department of Science and Technology (DUT)	F	F	(F,I)		F		O					Internet
Sky Valley, CA	USA	N 34.24	W 118.68	554	Scripps Institution of Oceanography (SIO)		F,I			F							Internet
Socorro Island	Mexico	N 18.72	W 110.95	17	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)		F			F							
Sofia	Bulgaria	N 42.56	E 23.39	1,119	Bundesamt für Kartographie und Geodäsie (BKG)		F,I			F,I							
Solomons Island, MD	USA	N 38.20	W 76.28	-18	Nanyang Technological University (NTUS), Delft University of Technology (DUT)		F,I			F							
Stuttgart	Germany	N 48.78	E 09.20		TIIM		F			F							
Sutherland	South Africa	S 32.50	E 20.70	1,800	Foundation for Research Development, South African Astronomical Observatory, GeoForschungsZentrum (GFZ), NASA/GSFC	(T),F	F,I			F							
Suvon-shi	Korea	N 37.28	E 127.05	84	National Oceanic and Atmospheric Administration (NOAA)		F,I			F,I							
Sveitloe	Russia	N 60.53	E 29.79		National Geographic Institute (NGI)		(T)			F,I							
Sylmar, CA	USA	N 34.34	W 118.40	1,139	Institute of Applied Astronomy (IAA)		F,I			F,I							
Syowa	Antarctica	S 69.00	E 39.35		U.S. Geological Survey (USGS)		F			F		O	M			satellite	
Taejon	Korea	N 37.40	E 127.41	78	National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS), Nippon Institute for Polar Research (NIPR)		F,I			F,I							
Taipei	Taiwan	N 25.02	E 121.53	45	Korea Astronomy Observatory (KAO)		F,I			F,I							Internet
Tateyama	Japan	N 34.59	E 139.50		Institute of Earth Science		F			F,I							
Temeecula, CA	USA	N 33.58	W 117.06	517	Scripps Institution of Oceanography (SIO)		F			F,I							
Thule	Greenland	N 76.35	W 68.30	55	Danish Geodetic Survey, University of Texas at Austin, NASA/JPL		F,I			F,I							
Tidbinbilla	Australia	S 35.40	E 148.98	665	Australian Surveying and Land Information Group (AUSLIG), contract to NASA/GSFC		F			F,I			O	M			Internet
Tokyo	Japan	N 35.70	E 139.48		Communications Research Laboratories (CRL), NASA/GSFC		F			F,I			O	M			Internet
Torrence, CA	USA	N 33.80	W 118.33	-4	U.S. Geological Survey (USGS)		F			F,I							
Toulouse	France	N 43.55	E 01.48	210	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Géodésie Spatiale (GRGS)		F,I			F,I							Internet
Townsville	Australia	S 19.27	E 147.06	87	National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)		F,I			F,I							
Tristan de Cunha Island	United Kingdom	S 35.50	W 12.50	49	Australian Survey and Land Information Group (AUSLIG)		F			F,I							
Tromso	Norway	N 69.67	E 18.93	133	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Géodésie Spatiale (GRGS)		F,I			F,I							
Trysil	Norway	N 61.30	E 12.30	725	Australian Survey and Land Information Group (AUSLIG)		F			F,I							
Tsukuba	Japan	N 36.10	E 140.08	67	Centre National d'Etudes Spatiales (CNES), Institut Géographique National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)		F			F,I							
Ucluelet	Canada	N 48.93	W 125.54	10	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)		F,I			F			R			S/C Cmd & Tim., Magnetometer	Internet, satellite
Ulan Baatar	Mongolia	N 48.00	E 106.90		Ulan Bataar Astronomical Observatory, GeoForschungsZentrum Potsdam (GFZ), Astronomical and Geophysical Research Centre of Academy of Science (AGRC)		F			F						satellite	
Urumqi	China	N 44.20	E 87.50	2,034	Urumqi Astronomical Station, Chinese Academy of Sciences		F,I			F			O	M			Internet
Ussurijsk	Russia	N 43.90	E 132.00		Russian Space Agency (RSA)		F			F			O	M			
Usuda	Japan	N 36.13	E 138.37	1,058	Institute for Space and Astronautic Science (ISAS)		F,I			F			C			S/C Cmd., Tim., DSN	Internet
Vanderberg, CA	USA	N 34.57	W 120.50	-12	US Air Force-Vandenberg Air Force Base (VAFB), University of California at San Diego (UCSD), NASA/JPL		F			F			O	M			
Vilafranca	Spain	N 40.44	W 3.59	647	European Space Agency (ESA), European Space Operations Center (ESOC)		F,I			F,I			C				Internet
Vladivostok	Russia	N 43.06	E 131.47	159	Western Pacific Integrated Network of GPS in Japan (WING)		F,I			F,I							
Wallis and Futuna	France	S 13.27	E 183.82		National (IGN), Groupe de Recherches de Géodésie Spatiale (GRGS)		F			F,I							
Washington D.C. (USNO)	USA	N 38.92	W 77.07	49	U.S. Naval Observatory (USNO)		F,I			F,I			C	M			Internet

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SITE	COUNTRY	LAT.	LONG.	EL..	HOST/MANAGING ORGANIZATION	SIR	VLBI	GPS	DORIS	PRAE	GRAV	SEIS	MET	TIME	TIDE	OTHER	DATA LINK	
Wellington	New Zealand	S 41.27	E 174.78		Department of Surveying and Land Information (DOSLI), Australian Surveying and Land Information Group (AUSLIG)		(F,I)											
Westerbork	The Netherlands	N 52.91	E 06.60	86	Delft University of Technology (DUT)	T	F,I				R					Internet		
Westford, MA	USA	N 42.62	W 71.48	86	Haystack Observatory, Massachusetts Institute of Technology (MIT) under contract to NASA/GSFC	T	F,I		F	F	C	M			Ionoospheric Radar	Internet		
Wetzell	Germany	N 49.15	E 12.88	666	Bundesamt für Kartographie und Geodäsie (BKG)	F,T	F,I		F	F	C	M			LLR	Internet, satellite		
Whistler	Canada	N 50.13	W 122.92	909	National Resources of Canada (NRCCan), Geological Survey of Canada (GSC)	F,I					R				Internet			
Whitehorse	Canada	N 60.72	W 135.08	1,427	National Resources of Canada (NRCCan), Geological Survey of Canada (GSC)	T	F,I											
Whittier, CA	USA	N 33.98	W 118.03	94	NASA/JPL											Internet		
Williams Lake	Canada	N 52.24	W 122.17	1,096	National Resources of Canada (NRCCan), Geological Survey of Canada (GSC)		F,I					R				Internet		
Wrightwood/ Table Mountain	USA	N 34.38	W 117.68	2,229	U.S. Geological Service (USGS)		F,I									Internet		
Wuhan	China	N 30.58	E 114.32	93	Wuhan Technological University of Surveying and Mapping	F	F,I			F	F	O	C			Internet		
Xin	China	N 34.20	E 109.00	82	Chinese Academy of Sciences, NASA/JPL, University NAVSTAR Consortium (UNAVCO)		F,I											
Yakutsk	Russia	N 62.03	E 129.68	100	Regional GPS Data Acquisition/Analysis Center (RDaac)		F,I											
Yataganede	Australia	S 29.05	E 115.35	241	Australian Space Office under contract to NASA/GSFC	F	F,I	F			(T)	O	C			Internet		
Yellos	Spain	N 40.31	W 03.07	241	Observatorio Astronómico Nacional, Instituto Geográfico Nacional	F					O	M			Internet			
Yellowknife	Canada	N 62.48	W 114.48	181	National Resources of Canada (NRCCan), Geological Survey of Canada (GSC), Geodetic Survey, Geomatics Canada	F	F,I	F		T	F	C	M	Magnetometer	Internet			
Yerevan	Armenia	N 40.23	E 44.30	1,167	National Survey Seismic Protection (NSSP), NASA/JPL		F,I											
Yucatapa, CA	USA	N 34.04	W 117.10	690	Scripps Institution of Oceanography (SIO)		F,I									Internet		
Yuzhno-Sakhalinsk	Russia	N 47.10	E 142.43	1,167	Institute of Marine Geodesy, Russian Academy of Sciences (RAS)		F,I				F					Internet		
Zelenchukskaya	Russia	N 43.80	E 41.60	1,167	Institute of Applied Astronomy (IAA)	(T)	F,I			T					Sirius-A	Internet		
Zimmerwald	Switzerland	N 46.88	E 07.47	957	Zimmerwald Obs. of Bern U., Bundesamt für Landestopographie (BLW)	F	F,I			T		C			Astronomical Observatory	Internet		
Zvenigorod	Russia	N 55.70	E 36.75	270	Institute of Applied Astronomy (IAA), Russian Academy of Sciences	(F)									Observatory	Internet		

Total number of sites: 280

F= System in Permanent Operations

T= Accommodations in Place for Transportable System

()= Future

[]= Past

I= International GPS Service for Geodynamics

A= VLBI Site

DSN= Deep Space Network

SC Cnd. & Tlm = Spacecraft Command and Telemetry

SC Launch Fac.= Spacecraft Launch Facility

EL = Elevation, accuracy to meter level (majority of values from IGS site logs)

MET= Meteorological data (C(ontinuous), (during IObservations only))

PTM= Precision Time Standard (H-[H]Maser, Cesium], R[ubidium])

TIDE= Tie to tide gauge within 10km

For comments/corrections/updates contact:

Carey E. Noll
NASA/GSFC
Code 920.1
Greenbelt, MD 20771
USAPhone: 301-286-9283
Fax: 301-286-0213
E-mail: noll@cdsfa.gsfc.nasa.gov
http://cdsfa.gsfc.nasa.gov/ggs/sgp_charthtml